



Track Improvement Program 2023-2024

Phil Eng, MBTA GM & CEO
Sam Zhou, MBTA Chief Engineer

***As of 11/6/2023 -
Dates and plans
subject to change***



Track Improvement Program | Benefits

The MBTA will be rebuilding track infrastructure across the Red, Orange, Blue, and Green Lines
















- ✓ Increases train speeds.
- ✓ Reduces delays and disruptions.
- ✓ Improves safety.
- ✓ Delivers timely, reliable and consistent service.

Information about the Track Improvement Program can be found at www.mbta.com/trackprogram

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 SYSTEMWIDE	191 Speed Restrictions <i>(as of 11-6-23)</i>	740,000 Approx. Feet of Track <i>(140 miles)</i>	28 Years Average Age of Track	611 Signals	32 Years Average Age of Signal System	132 Stations <i>(Unique, excluding Bus)</i>	677,000 Approx. Weekday Trips <i>(2019)</i>
 RED LINE	66 Speed Restrictions <i>(as of 11/6/23)</i>	228,000 Feet of Track <i>(43 miles)</i>	31 Years	105 Signals	40 Years	22 Stations: 22/22 <i>Meet Accessibility Standards</i>	258,000 Weekday Riders
 ORANGE LINE	42 Speed Restrictions <i>(as of 11/6/23)</i>	121,000 Feet of Track <i>(23 miles)</i>	38 Years	81 Signals	38 Years	20 Stations: 20/20 <i>Meet Accessibility Standards</i>	191,000 Weekday Riders
 BLUE LINE	14 Speed Restrictions <i>(as of 11/6/23)</i>	67,000 Feet of Track <i>(13 miles)</i>	23 Years	40 Signals	25 Years	12 Stations: 11/12 <i>Meet Accessibility Standards</i>	143,000 Weekday Riders
 GREEN LINE <small>B C D E</small>	69 Speed Restrictions <i>(as of 11/6/23)</i>	297,000 Feet of Track <i>(56 miles)</i>	20 Years	385 Signals	25 Years	70 Stations: 48/70 <i>Meet Accessibility Standards</i>	78,000 Weekday Riders
 MATTAPAN LINE	0 Speed Restrictions <i>(as of 11/6/23)</i>	27,000 Feet of Track <i>(5.2 miles)</i>	31 Years	Not signalized	Not signalized	8 Stations: 7/8 <i>Meet Accessibility Standards</i>	7,000 Weekday Riders

Today's MBTA Subways

2023

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Track Improvement Program | Anticipated Accomplishments

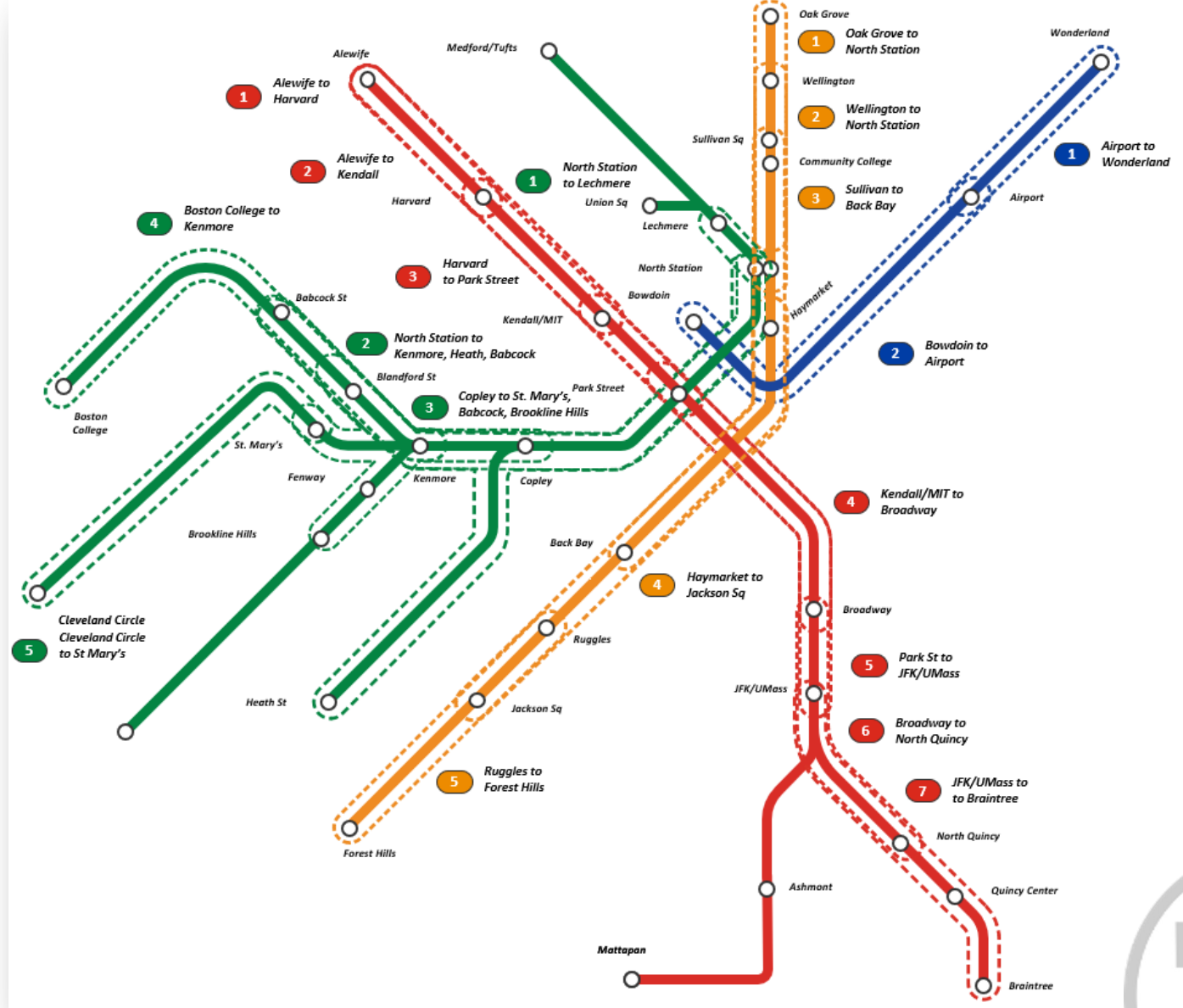
	Speed Restrictions Removed	Travel Time Improvement (minutes)	# of Ties Replaced	Feet of Rail	Feet of Tamping
<i>TIP November & December 2023</i>					
	44	20	3,800	15,800	13,400
<i>TIP 2024</i>					
	147	66	28,002	124,880	208,485
<i>TIP TOTAL</i>					
	191	86	31,802	140,680	221,885

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TIP 2024 | Segmenting the Track to Minimize Rider Impact

	Alternative Service Limits	Speed Restrictions	Modeled Time Savings (mins)	Duration (days)
1	North Station to Lechmere	2	1.8	14
2	North Station to Kenmore, Heath, Babcock	15	8.7	21
3	Copley to St. Mary's, Babcock, Brookline Hills	9	4.2	18
4	Boston College to Kenmore	7	1.7	10
5	Cleveland Circle to St. Mary's	1	0.1	6
1	Oak Grove to North Station	8	1.7	6
2	Wellington to North Station	5	4.3	9
3	Sullivan to Back Bay	6	2.3	10
4	Haymarket to Jackson Sq	2	1.3	4
5	Back Bay to Forest Hills	15	4.8	11
1	Alewife to Harvard	9	6.5	9
2	Alewife to Kendall	9	4.0	16
3	Harvard to Park	3	0.8	6
4	Kendall/MIT to Broadway	8	3.7	6
5	Park to JFK/UMass	8	2.6	8
6	Broadway to North Quincy	4	2.7	6
7	JFK/UMass to Braintree	22	9.1	16
1	Airport to Wonderland	12	5.3	12
2	Bowdoin to Airport	2	0.7	Night Orders
	147 restrictions lifted	66.3 minutes saved	188 days of work	



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- ✓ Critical trackwork along entire system.
- ✓ Remove all speed restrictions.
- ✓ Ensure five years of useful track life.

TIP 2024 | Segmenting the Track to Minimize Rider Impact

Priority Trackwork for State of Good Repair in 2024

Segt	Alternative Service Area	Speed Restrictions	Modeled Delay (min)	Duration (days)	January	February	March	April	May	June	July	August	Sept	October	November	December
1	North Station to Lechmere	2	1.8	14												
2	North Station to Kenmore, Heath, Babcock	15	8.7	21	■	■										
3	Copley to St. Mary's, Babcock, Brookline Hills	9	4.2	18			■									
4	Boston College to Kenmore	7	1.7	10								■				
5	Cleveland Circle to St. Mary's	1	0.1	6											■	
1	Oak Grove to North Station	8	1.7	6									■			
2	Wellington to North Station	5	4.3	9												
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		147	66.3	188												

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Track Improvement Program | Rider Impacts

To improve portions of the track, we will implement some slow zones and diversions. Keep up to date on the impact to specific lines and commutes:

- [Red Line](#)
- [Orange Line](#)
- [Green Line](#)
- [Blue Line](#)

In addition to the resources listed above, we'll notify riders of service changes in other ways:

- In-station signage
- In-station public announcements
- On-site Transit Ambassadors and MBTA staff
- [Sign up](#) for service alerts via text or email
- [@MBTA](#) on X (the site formerly known as Twitter)

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TIP | Public Engagement

Open houses, held in-person and virtually, will provide an overview of projects and give riders, residents, and communities opportunities for questions, comments, and feedback.

Meeting dates and locations will be posted at mbta.com and shared on social media and with the press.

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